

(i) manipulator means at least partly constructed of at least one bent or twisted elongate shape memory alloy [members] member having pseudoelasticity at the intended manipulation temperature, and

(ii) an impermeable barrier member spanning said at least one alloy member[(s)];

(iii) a hollow housing or cannula capable of initially holding at least the at least one [shape memory] alloy member[(s)] in a relatively straightened state, and

(iv) actuating means for extending the at least one [shape memory] alloy member[(s)] with said barrier member from the housing to manipulate matter within said space and for withdrawing the at least one [shape memory] alloy member[(s)] into the housing, the arrangement being such that the at least one [shape memory] alloy member[(s)] bend(s) or twist(s) pseudoelastically in a lateral or helical sense to manipulate the matter on extending from the housing at said manipulation temperature, and the barrier member is sealable and the at least one [shape memory] alloy member[(s)] become(s) becomes relatively straightened on withdrawal into the housing at said temperature.

2. (Amended) A device or apparatus according to claim 1 which is of elongate form for surgical manipulation of matter within a living body, and which has the manipulator means at its distal end with the at least one [shape memory] alloy member[(s)] having pseudoelasticity at the temperature to be encountered within that body, and wherein the actuating means is operable from the proximal end of the device.

Claim 3, line 12, correct the spelling of --manipulated--.

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42. (Amended) A device according to claim ¹⁰40, wherein said means for [moving] withdrawing comprises a drawstring.

¹²
43. (Amended) A device according to claim ¹¹42, wherein the alloy wire comprises a loop and wherein the housing and the loop can be separated from the barrier member and drawstring [means] in use.

¹³
47. A device according to claim 46 wherein the surgical screen comprises at least one loop which is spanned by a perforated sheet[, or the surgical screen

~~Q3~~ comprises at least two loops, having an area therebetween, said area being spanned by a perforated sheet].

~~Sub B 10~~ 50. (Amended) A remotely operated surgical device comprising:

(a) an elongate housing;

~~Q4~~ (b) a retractor, the retractor comprising at least one elastically deformable [loop] member which is spanned by an impermeable membrane, [or wherein at least one impermeable membrane spans an area between two loops, or wherein the retractor comprises at least one finger-shaped member spanned by an impermeable membrane, or wherein an impermeable membrane spans an area between two finger-shaped members]; and

(c) means for projecting and retracting the retractor relative to the housing between a first position wherein the retractor is constrained within the housing, and a second position wherein the retractor is unconstrained by the housing and assumes an expanded memory shape.

63. (Amended) An apparatus according to claim 3 wherein the [elastically deformable member(s) is(are)] elastic material is composed of shape memory alloy under the [intended] intended conditions of use.

~~Sub B 12~~ 64. (Amended) A device or apparatus according to claim 3, wherein the elastic [member(s) is (are)] material is composed of nickel-titanium shape memory alloy[, preferably capable of more than 1.5%, more preferably more than 4%, elastic deformation].

~~Q5~~ 65. (Amended) An apparatus according to claim 3, wherein the elastic [member(s) is (are)] material is composed of shape memory alloy, said shape memory alloy assumes a first shape in a substantially austenitic phase when extended from the housing or cannula, and assumes a second shape containing more martensitic phase when withdrawn into the housing or cannula.

Please add claims 76-79 as follows.

~~Q6~~ --76. An apparatus according to claim 50 wherein said at least one elastically deformable member comprises at least one loop.

77. An apparatus according to claim 50 wherein said at least one elastically deformable member comprises at least one finger-shaped member.

78. A surgical apparatus for removing body tissue from an interior portion of a body in a minimally invasive surgical procedure, which comprises:

- a) an endoscopic portion having a longitudinally extending bore and configured and dimensioned to be at least partially insertable through a cannula;
- b) a pouch assembly movable between a proximal location at least partially within said endoscopic portion and a distal location at least partially exterior to said endoscopic portion, said pouch assembly including a support and a pouch removably attached to said support, said pouch having a first end movable between an open configuration and a closed configuration, and a closed second end;
- c) a drive member slidably disposed within said bore for moving said pouch from said proximal location to said distal location, said support being attached to a distal end of said drive member;
- d) means associated with said pouch for detaching said pouch from said support;
- e) closing means for moving said first end of said pouch from said open configuration to said closed configuration; and
- f) gaseous seal means for preventing passage of fluid or gases through said apparatus.

79. A surgical apparatus for removing tissue from an interior portion of a body during a surgical procedure which comprises:

- a) an elongated tube having a longitudinally extending bore extending therethrough;
- b) a pouch assembly movable between a first position at least partially disposed within the bore and a second position at least partially exterior to the bore, the pouch assembly including:
 - a support member and
 - a pouch removably attached to the support member, the pouch having a first end biased into an open configuration by the support member and movable between the open configuration and a closed configuration, and a closed second end;
- c) a drive member slidably disposed within the bore for moving the pouch from the first position to the second position, the support member being attached to the drive member at one end; and
- d) a closing member operatively associated with the pouch,